

Appl. Serial No. 09/802,067
Amdt. Dated October 14, 2003
Response to Office Action mailed July 9, 2003

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-13. (Canceled).

14. (New) A system for radiating a reference laser beam and utilizing GPS units for installing an article, comprising:

a reference laser beam radiator for rotatably radiating a reference laser beam;

a first GPS unit; and

a second GPS unit;

said first GPS unit detecting a reference position of said reference laser beam radiator, and said second GPS unit detecting a position at which the second GPS unit is arbitrarily placed as a first position, so as to decide a direction of said reference laser beam to be radiated from the reference position of said reference laser beam radiator; and

said second GPS unit detecting a position at which the second GPS unit is placed, where a direction of said reference laser beam radiator faces as a second position after being placed at and moved from said first position, wherein

an angle is obtained between said second position where the direction of said reference laser beam radiator faces and said first position where the direction of said reference laser beam is to be radiated from the reference laser beam radiator,

said reference laser beam radiator is directed to said first position from said second position based on the angle thus obtained;

said reference laser beam is radiated from said reference laser beam radiator, whereby a direction of an article to be installed is coincided and set along the decided direction of the reference laser beam.

15. (New) The system according to claim 1, wherein said first and second GPS units are each connected to a radio communication unit for transmitting a data on detected position, and said reference laser beam radiator is provided with a receiver for receiving the data on detected position.

16. (New) A system for radiating a reference laser beam and utilizing GPS units for installing an article, comprising:

a reference laser beam radiator for rotatably radiating a reference laser beam, said reference laser beam radiator being capable of setting a direction of radiation of the reference laser beam to a center of a target by receiving a light reflected from the target;

a first GPS unit; and

a pole having said target and a second GPS unit;

said first GPS unit detecting a reference position of said reference laser beam radiator, and said second GPS unit, with which said pole is included, detecting a position at which the second GPS unit is arbitrarily placed as a first position, so as to decide a direction of said reference laser beam to be radiated from the reference position of said reference laser beam radiator; and

said pole being placed at a position between said reference position detected by said first GPS unit and said first position which the direction of said reference laser beam is to be radiated from said reference laser beam radiator as a second position after being placed at and moved from said first position by using said second GPS unit, wherein

said reference laser beam radiator is rotated to set the direction of radiation of the reference laser beam radiated from the reference laser beam radiator to the center of said target by receiving the light reflected from the target, so that said reference laser beam of said reference

laser beam radiator is directed to said first position, whereby a direction of an article to be installed is coincided and set along the decided direction of the reference laser beam.